



41898403.APP
SEQUENCE LISTING

<110> EISENBERG, STEPHEN
WAHL, SHARON M.
THOMPSON, ROBERT C.

<120> INHIBITION OF RETROVIRUS INFECTION

<130> 04189.0084-03000

<140> 08/485,438

<141> 1995-06-07

<150> 07/943,369

<151> 1992-09-09

<150> 08/209,040

<151> 1994-03-09

<150> PCT/US93/08486

<151> 1993-09-09

<160> 4

<170> PatentIn Ver. 3.2

<210> 1

<211> 60

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic CLPI
amino acid sequence

<400> 1

Leu Asp Pro Val Asp Thr Pro Asn Pro Thr Arg Arg Lys Pro Gly Lys
1 5 10 15

Cys Pro Val Thr Tyr Gly Gln Cys Leu Met Leu Asn Pro Pro Asn Phe
20 25 30

Cys Glu Met Asp Gly Gln Cys Lys Arg Asp Leu Lys Cys Cys Met Gly
35 40 45

Met Cys Gly Lys Ser Cys Val Ser Pro Val Lys Ala
50 55 60

<210> 2

<211> 180

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
nucleotide sequence encoding CLPI

<400> 2

ctggatcctg ttgacacccc aacaccaaca aggaggaagc ctggaaagtg cccagtgact 60
tatggccat gtttcatgcc taacccccc aatttcgttg agatggatgg ccagtgcagg 120
cgtgacttga agtgttgcattt gggaaatcct gcgtttcccc tgtgaaagct 180

<210> 3
<211> 60
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> (25)..(26)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (27)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (35)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (47)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (49)
<223> Variable amino acid

<220>
<223> Description of Artificial Sequence: Synthetic CLPI
mutein sequence

<400> 3
Leu Asp Pro Val Asp Thr Pro Asn Pro Thr Arg Arg Lys Pro Gly Lys
1 5 10 15
Cys Pro Val Thr Tyr Gly Gln Cys Xaa Xaa Xaa Asn Pro Pro Asn Phe
20 25 30
Cys Glu Xaa Asp Gly Gln Cys Lys Arg Asp Leu Lys Cys Cys Xaa Gly
35 40 45
Xaa Cys Gly Lys Ser Cys Val Ser Pro Val Lys Ala
50 55 60

<210> 4
<211> 107
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
amino acid sequence

<220>
<221> MOD_RES
<222> (1)
<223> A substituted or unsubstituted amino acid residue

<220>
 <221> MOD_RES
 <222> (20)
 <223> Met, Val, Ala, Phe, Tyr, Trp, Lys, Gly or Arg

<220>
 <221> MOD_RES
 <222> (72)
 <223> Met, Val, Ala, Phe, Tyr, Trp, Lys, Gly, or Arg

<220>
 <221> MOD_RES
 <222> (73)
 <223> Met, Val, Ala, Phe, Tyr, Trp, Lys, Gly or Arg

<220>
 <221> MOD_RES
 <222> (74)
 <223> Met, Val, Ala, Phe, Tyr, Trp, Lys, Gly, or Arg

<220>
 <221> MOD_RES
 <222> (82)
 <223> Met, Val, Ala, Phe, Tyr, Trp, Lys, Gly or Arg

<220>
 <221> MOD_RES
 <222> (94)
 <223> Met, Val, Ala, Phe, Tyr, Trp, Lys, Gly or Arg

<220>
 <221> MOD_RES
 <222> (96)
 <223> Met, Val, Ala, Phe, Tyr, Trp, Lys, Gly or Arg

<220>
 <221> MOD_RES
 <222> (107)
 <223> A substituted or unsubstituted amino acid residue

<400> 4
 Xaa Gly Lys Ser Phe Lys Ala Gly Val Cys Pro Pro Lys Lys Ser Ala
 1 5 10 15

Gln Cys Leu Xaa Tyr Lys Lys Pro Glu Cys Gln Ser Asp Trp Gln Cys
 20 25 30

Pro Gly Lys Lys Arg Cys Cys Pro Asp Thr Cys Gly Ile Lys Cys Leu
 35 40 45

Asp Pro Val Asp Thr Pro Asn Pro Thr Arg Arg Lys Pro Gly Lys Cys
 50 55 60

Pro Val Thr Tyr Gly Gln Cys Xaa Xaa Xaa Asn Pro Pro Asn Phe Cys
 65 70 75 80

Glu Xaa Asp Gly Gln Cys Lys Arg Asp Leu Lys Cys Cys Xaa Gly Xaa
 85 90 95

Cys Gly Lys Ser Cys Val Ser Pro Val Lys Xaa
 100 105